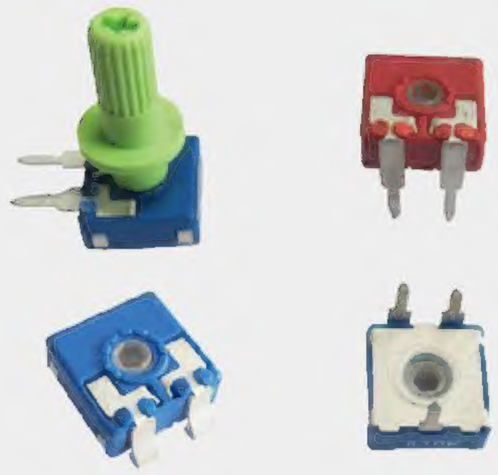
TRIMMER POTENTIOMETER

Kennon

CA9

CA9 9mm Carbon Potentiometer



特点 FEATURES

□长寿命，低成本。 —Carbon resistive element.
□优良的防尘结构 没有任何开口部分。 —Dust proof enclosure.
—Polyester substrate.
□力矩小。 —Also upon request:
□阻值线性多样化。 ◇Wiper positioned at 50% or fully clockwise.
□旋转50%处有定位或整个旋转行程带定位。 ◇Supplied in magazines for automatic insertion.
◇Long life model CA–9...E(10000 cycles)
□品种规格多 适用性强 ◇Housing available in self extinguishable plastic (UL94V0)

机械性能 MECHANICAL SPECIFICATIONS

□机械 —Mechanical
旋转角度 rotation angle:240° ±5°
□电气 —Electrical
旋转角度 rotation angle:220° ±20°
□旋转力矩 —Torque: < 2Ncm.
□止档强度 —Stop torque:5Ncm

电器性能 ELECTRICAL SPECIFICATIONS

□阻值范围 Range of values:
100Ω ≤ Rn ≤ 5M
□阻值误差 —Tolerance: 100Ω ≤ Rn ≤ 1M--- ±20%
1M ≤ Rn ≤ 5M--- ±30%
□耐电压 —Max. Voltage:200VDC(lin),150VDC(no lin)
□额定功率 —Nominal Power 40℃ 0.15W(lin) 0.10W(no lin)
□线性 —Taper:Lin(A);Log(B);Antilog(C)
□残留电阻 —Residual resisitance:Lin,Log,Antilog ≤ $5*10^{-3}$*Rn
□平滑行 —Equivalent Noise Resisitance: ≤ 3%Rn
□环境温度 —Operating Temperature:–25℃+70℃

型号命名 HOW TO ORDER

STANDARD

CA–9	L	V	102	A	2020
序列号 Series	孔的形式 Rotors	安装方式 Mounting Method	阻值 Value	电阻规律 Taper	误差 Tolerance
CA–9	L LA K Y D M MA MT G	H2.5 H3.8 H5 HS3.8 V7.5 V10 VR10 MAV10 MTV10 HSMD VSMD	102=100Ω ⋮ 505=5M	A=Lin.（直线） B=Log.（指数） C=Alog.（对数）	2020=20% 3030=30%

OPTIONAL EXTRAS

寿命 Life	Cut track	Detent		Wiper position	柄／孔的颜色 Shaft/rotor colour
E=Extended life	PCI=Initial PCF=Final	See PT's with detents data sheet		PM50% PF=Final position	NE=Black BA=White IN=Neutral TA=Transparent RO=Red VE=Green AM=Yellow AZ=Blue GS=Grey MR=Brown

CHANGZHOU KENNON ELECTRONICS CO.,LTD.

TRIMMER POTENTIOMETER

CA9

HOW TO ORDER CUSTOM DRAWIING

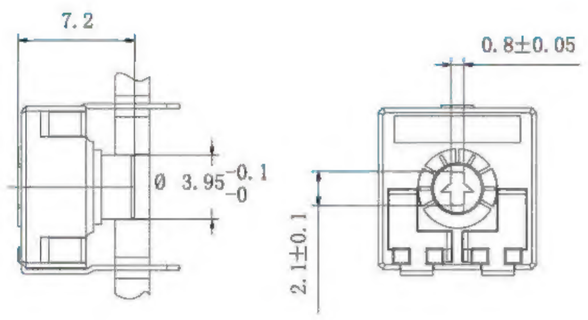
CA9 KV + DRAWING NUMBER (Max.16 characters)

This way of ordering should be used for options which are not included in the "How to order" standard and optional extras

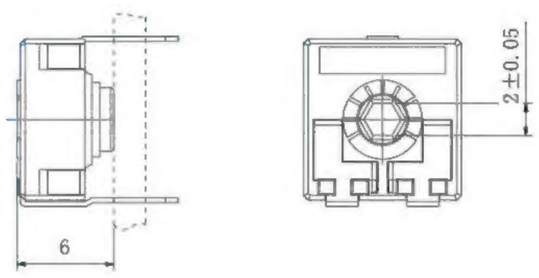
STANDARD OPTIONS

Long life ·····10000 cycles
Packing·····Bulk
Rotor colour·····White
Wiper position ·····Initial
Crimping ·····With crimping

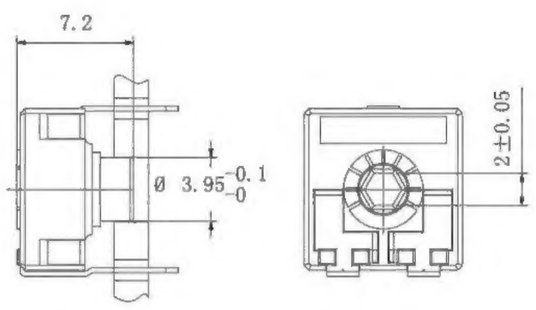
ROTORS （孔的形式）



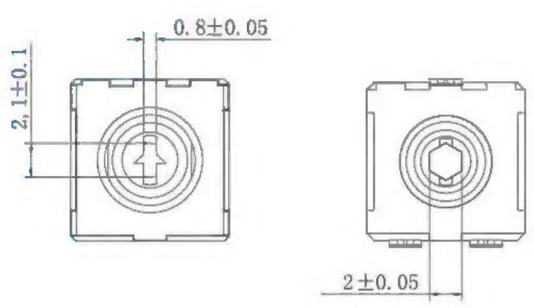
LA



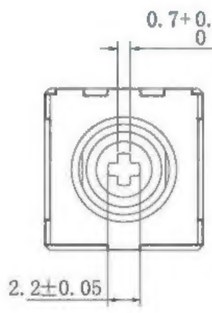
MT



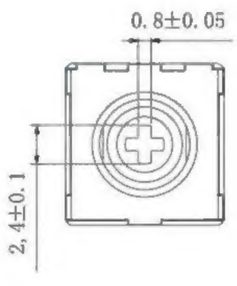
MA



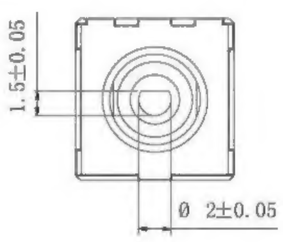
L



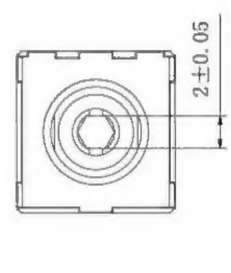
G



K



Y

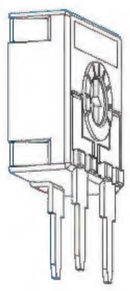


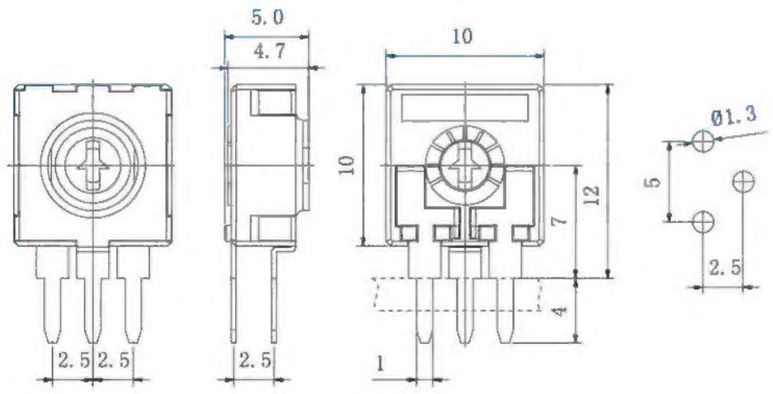
D

M

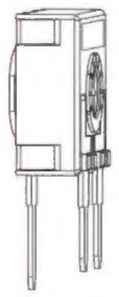
MOUNTING METHODS （安装方式）

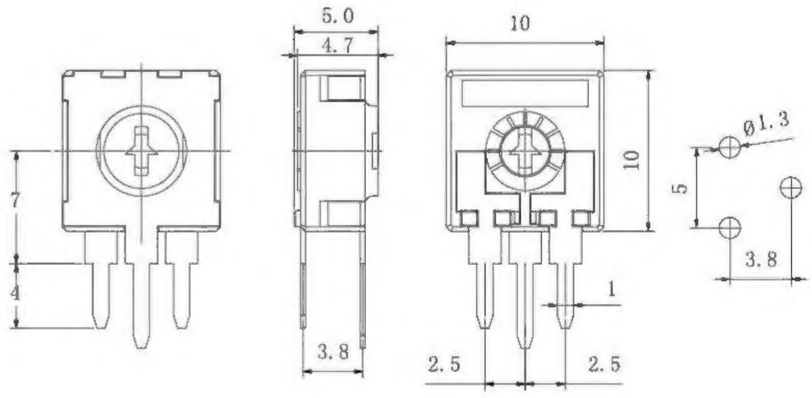
H2.5



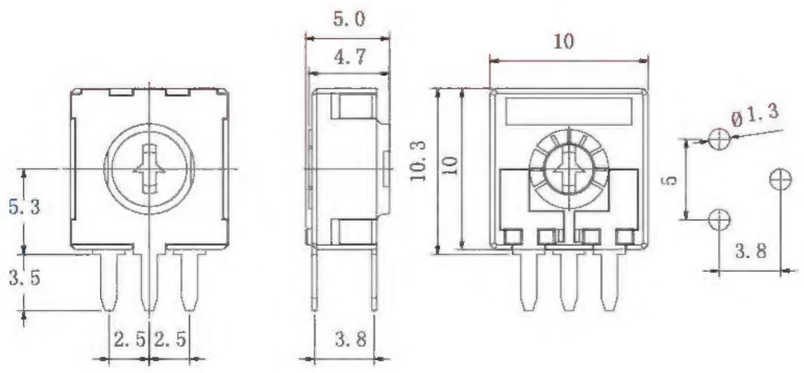


H3.8

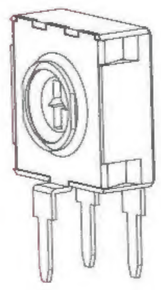


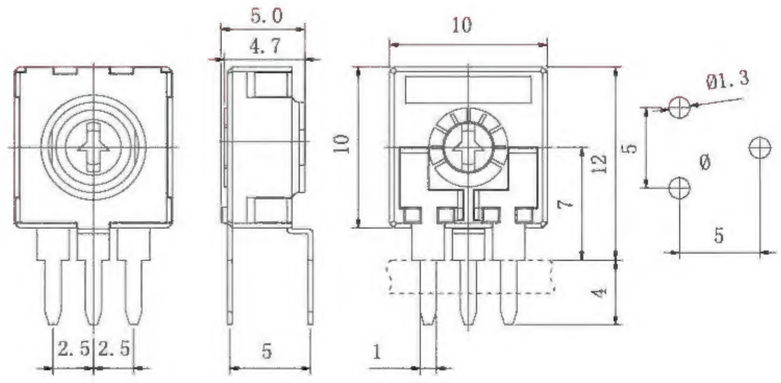


HS3.8



H5



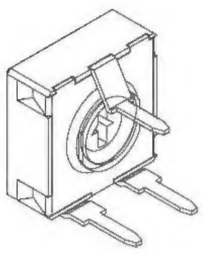


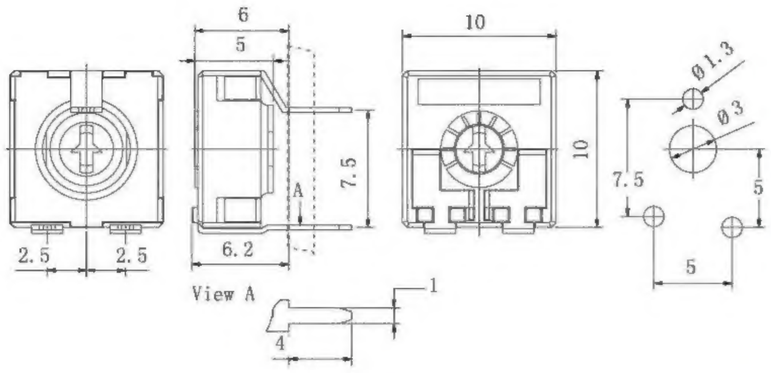
CHANGZHOU KENNON ELECTRONICS CO.,LTD.

TRIMMER POTENTIOMETER

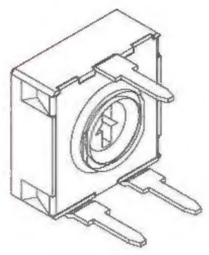
CA9

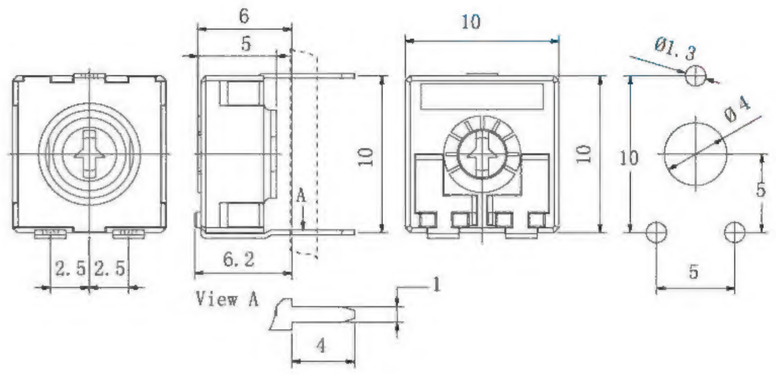
V7.5



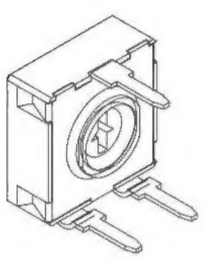


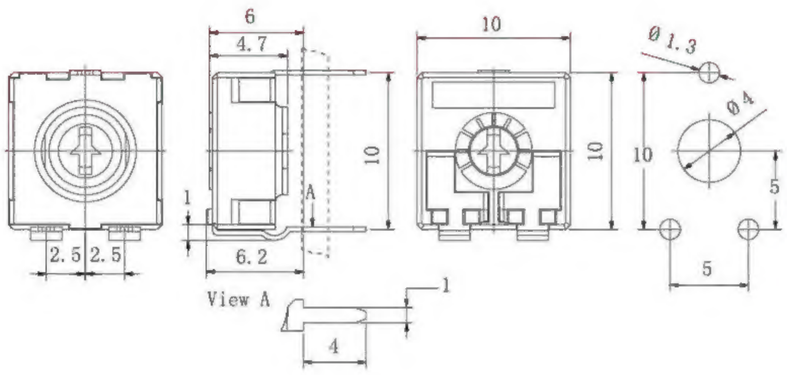
V10



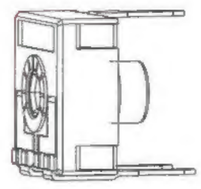


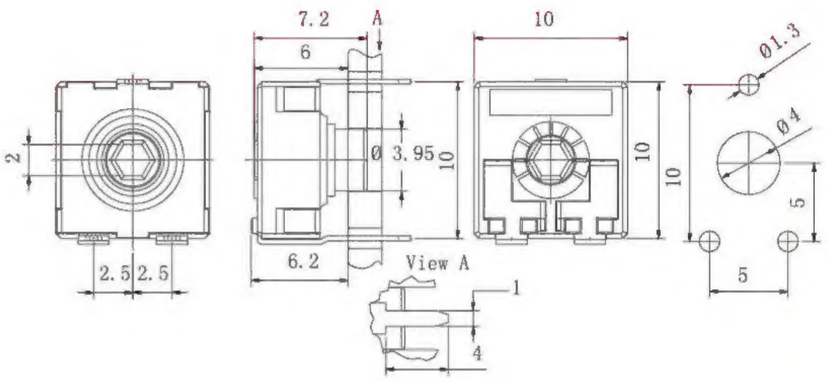
VR10



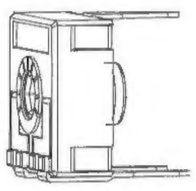


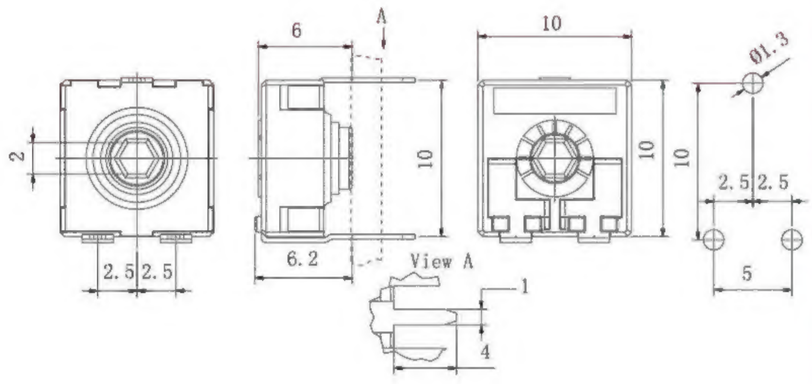
MAV10



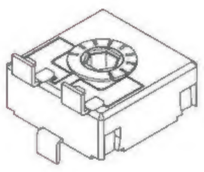


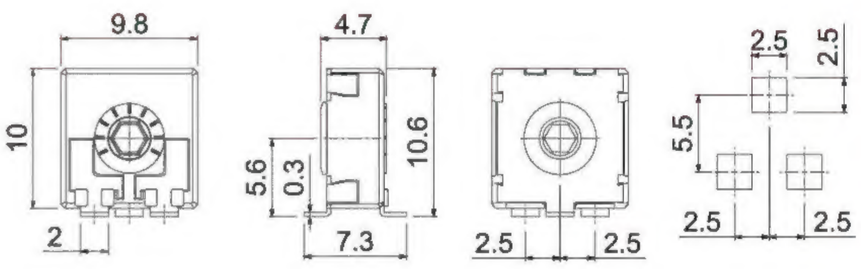
MTV10



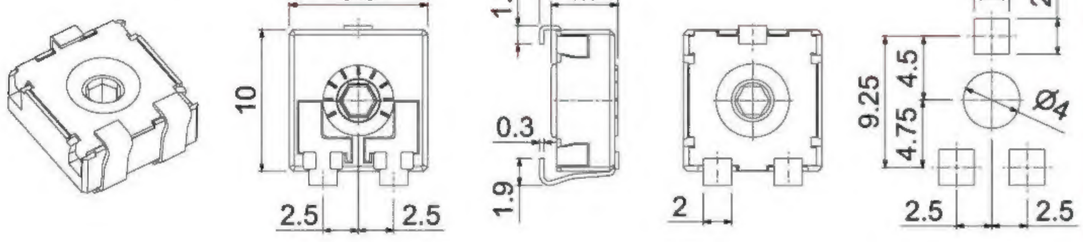


HSMD



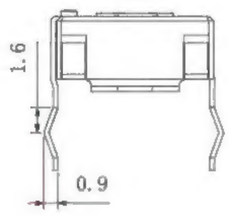


VSMD

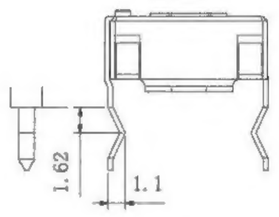


Terminals (焊脚种类)

We can provide crimped terminals (with “snap in”), to better hold the component to the board prior to soldering.
我们可以提供打弯式的焊脚，以便在焊接前能够更好的安装在PCB板上



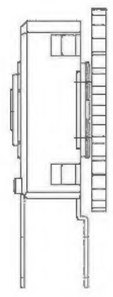
SNP



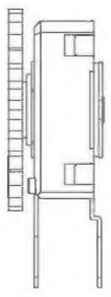
SNJ

Adjustment possibilities（手柄安装方式）

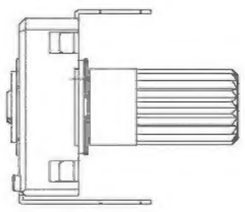
Potentiometers can be adjusted through either the front side (WT) or the collector side (WTI):
电位器手柄可以插入电位器正面或者背面调节



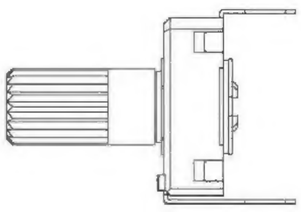
WTI
Collector side



WT
Front side



WTI
Collector side



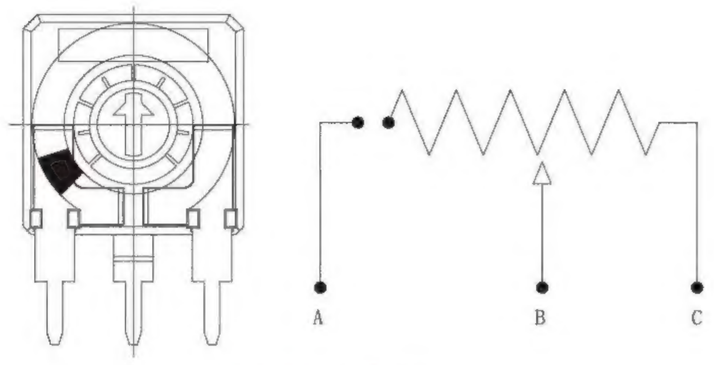
WT
Front side

CHANGZHOU KENNON ELECTRONICS CO.,LTD.

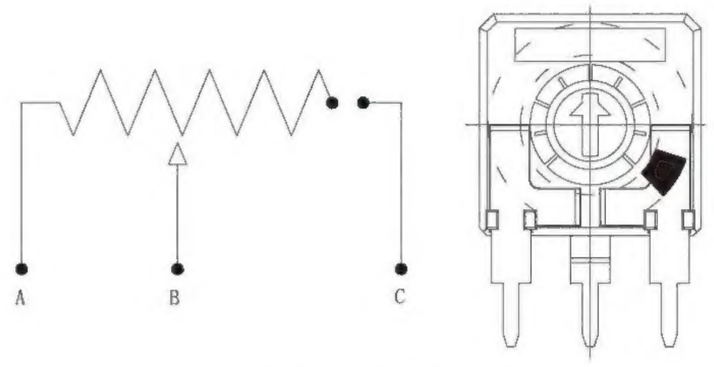
TRIMMER POTENTIOMETER

Potentiometers with cut track 电位器带开关功能

Recommended for lighting regulation.（推荐使用领域为灯光调节）
With cut at the beginning of the track CCW:off-on. （开关在电阻的起始位置，CCW： 关–开）
With cut at the end of track-CW:on-off. Others positions available on request.
(开关在电阻的末端位置，CW，开–关。其他可根据要求定制）



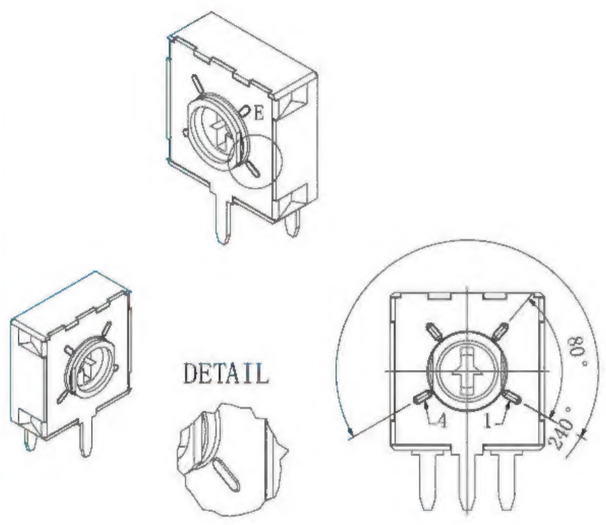
CCW: Off-On
CCW：关–开



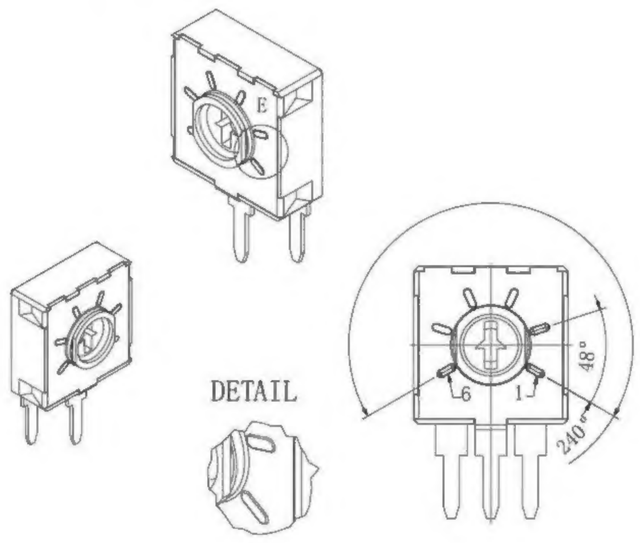
CW: On-Off
CW：开–关

Potentiometers with detents（电位器带定位功能）

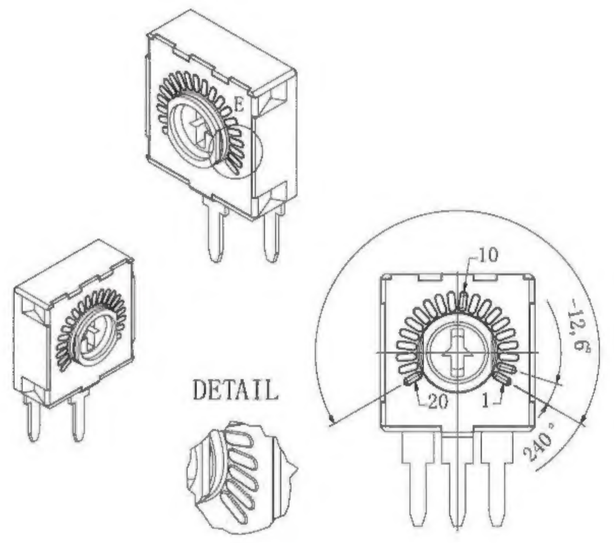
Detent feature(DT) is speically for control application.Detents can be 3,4,6,7,9,10 and up to 20.
带定位的产品可适用于控制设备，定位次数可以为3，4，6，7，9，10…最高可达20次定位。



4DT

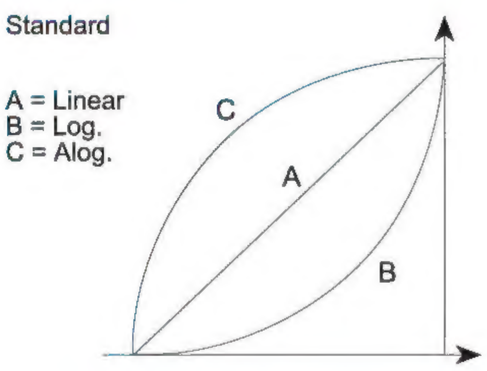


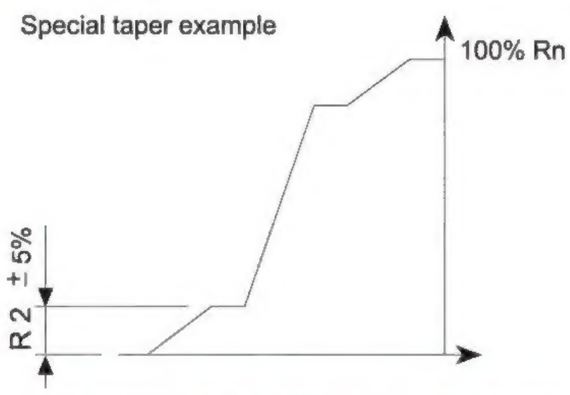
6DT



20DT

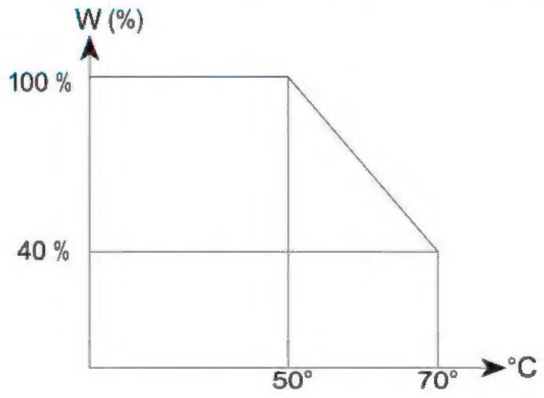
TAPERS





NOTE = Please note relative terminals positions when ordering non linear tapers.

POWER RATING CURVE



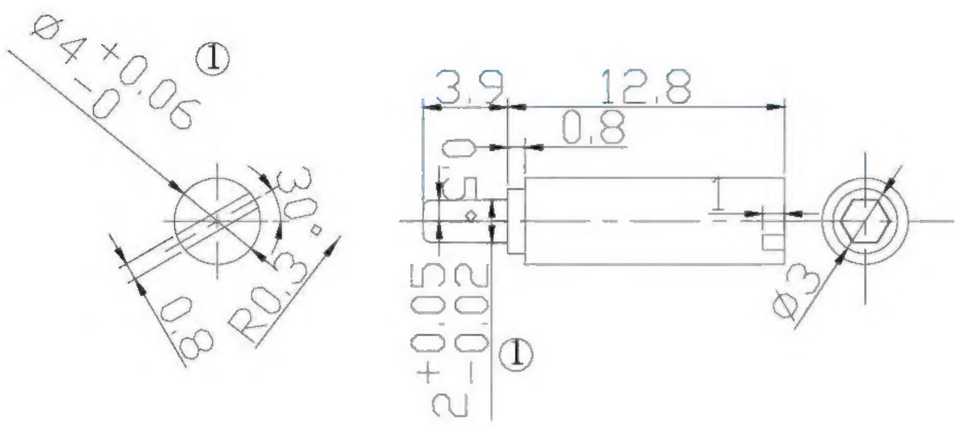
TESTS

ELECTRICAL LIFE	1.000h @ 50℃;0.15W	± 5%
MECHANICAL LIFE(CYCLES)	500 @ 10CPM...15CPM	± 3% (Rn<1M Ω)
TEMPERATURE COEFFICIENT	–25℃; +70℃	± 300ppm(Rn<100K)
THERMAL CYCLING	16h.@ 85℃;2h.@ –25℃	± 2.5%
DAMP HEAT	500h.@ 40℃ @95%HR	± 5%
VIBRATION (for each plane X,Y,Z)	2h.@10Hz... 55Hz.	± 2%

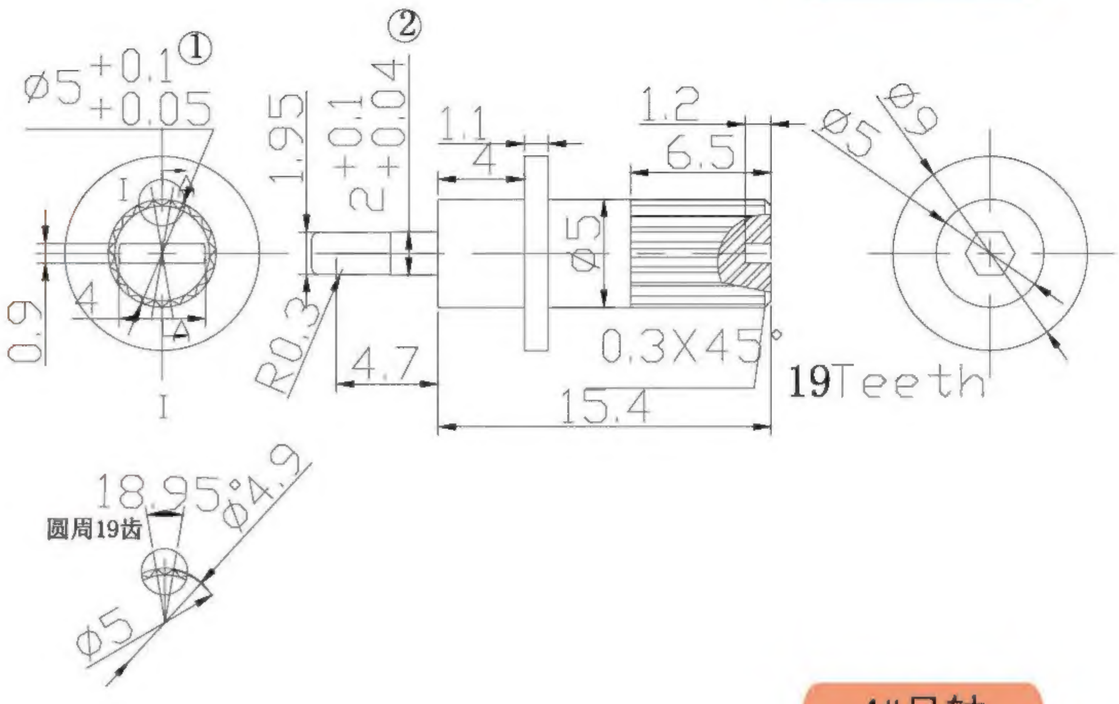
NOTE:Out of range values may not comply with these results.

Shaft type

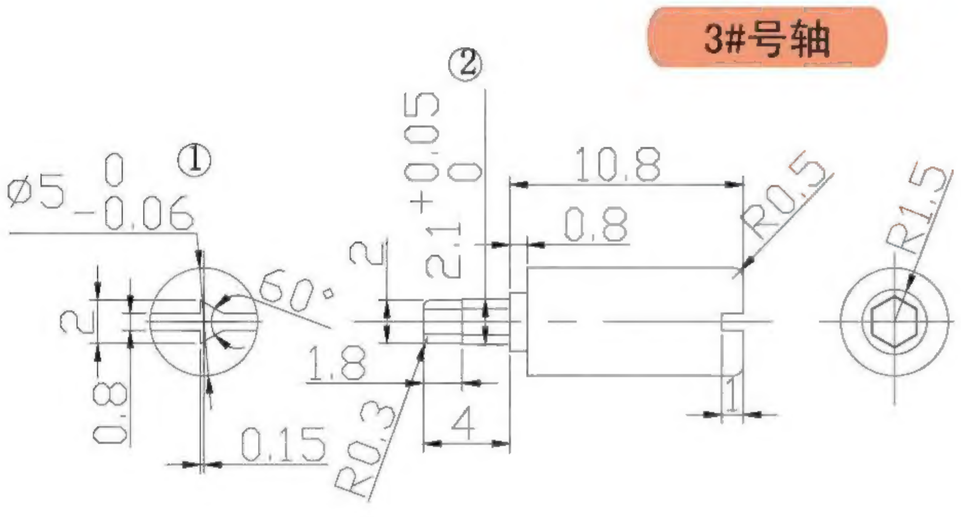
1#号轴



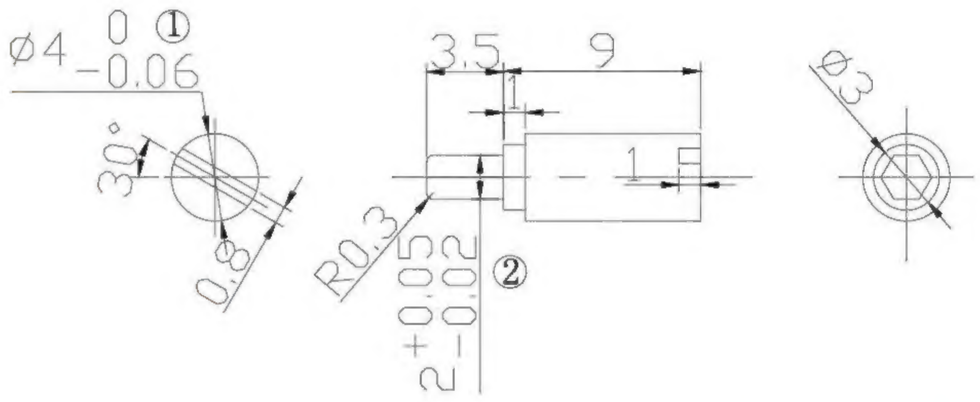
2#号轴



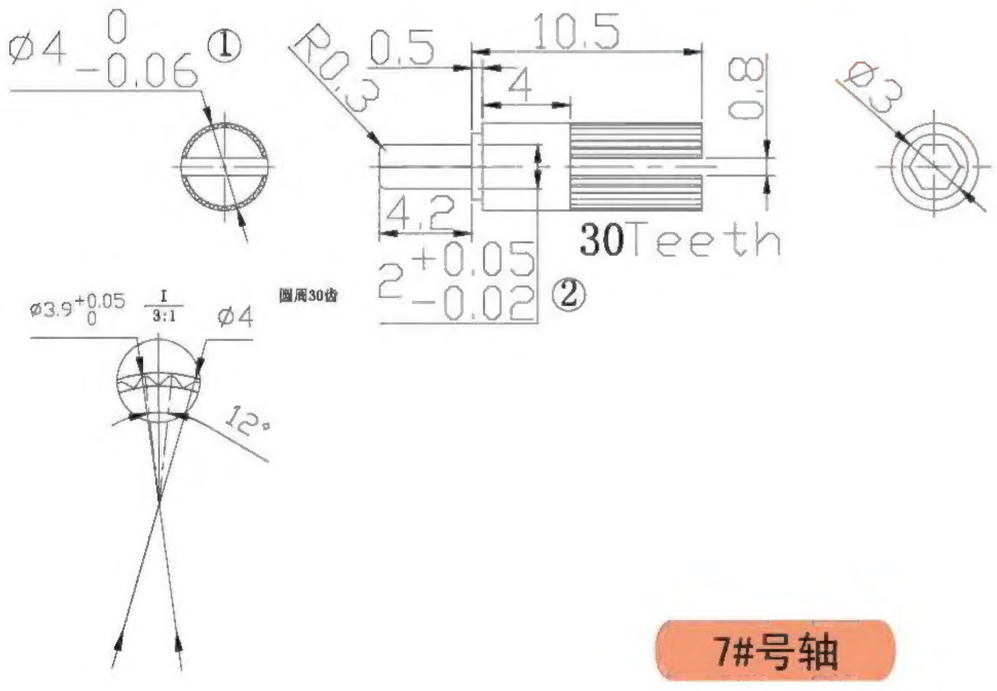
3#号轴



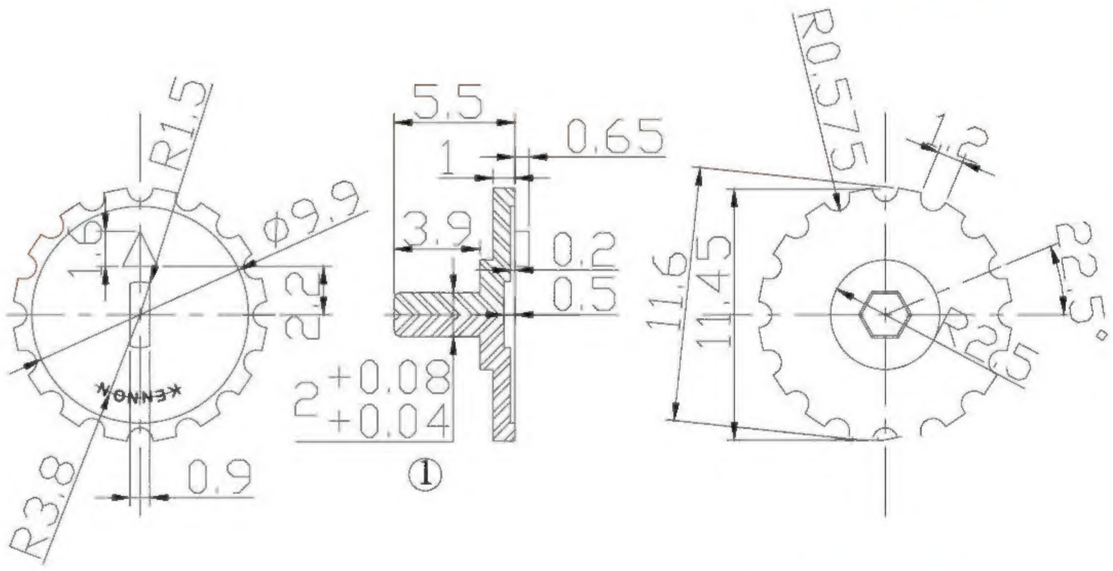
4#号轴



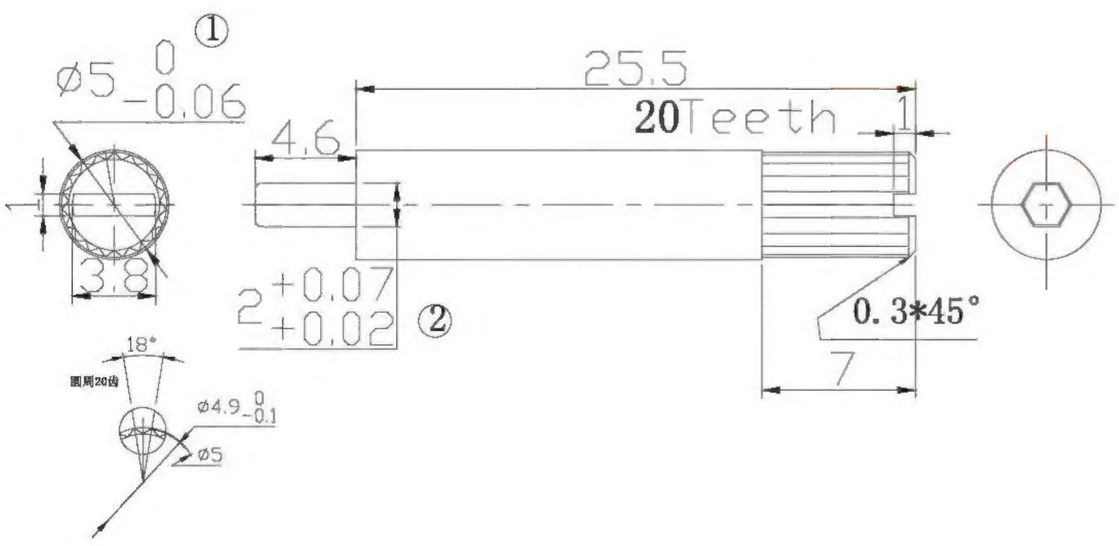
5#号轴



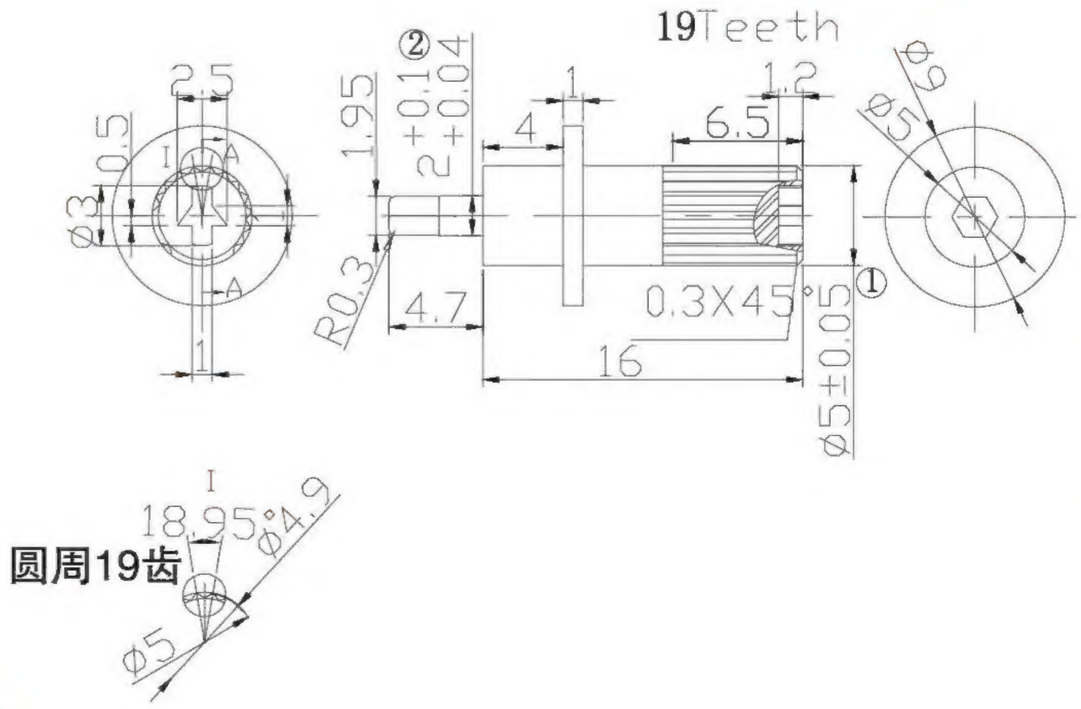
6#号轴



7#号轴



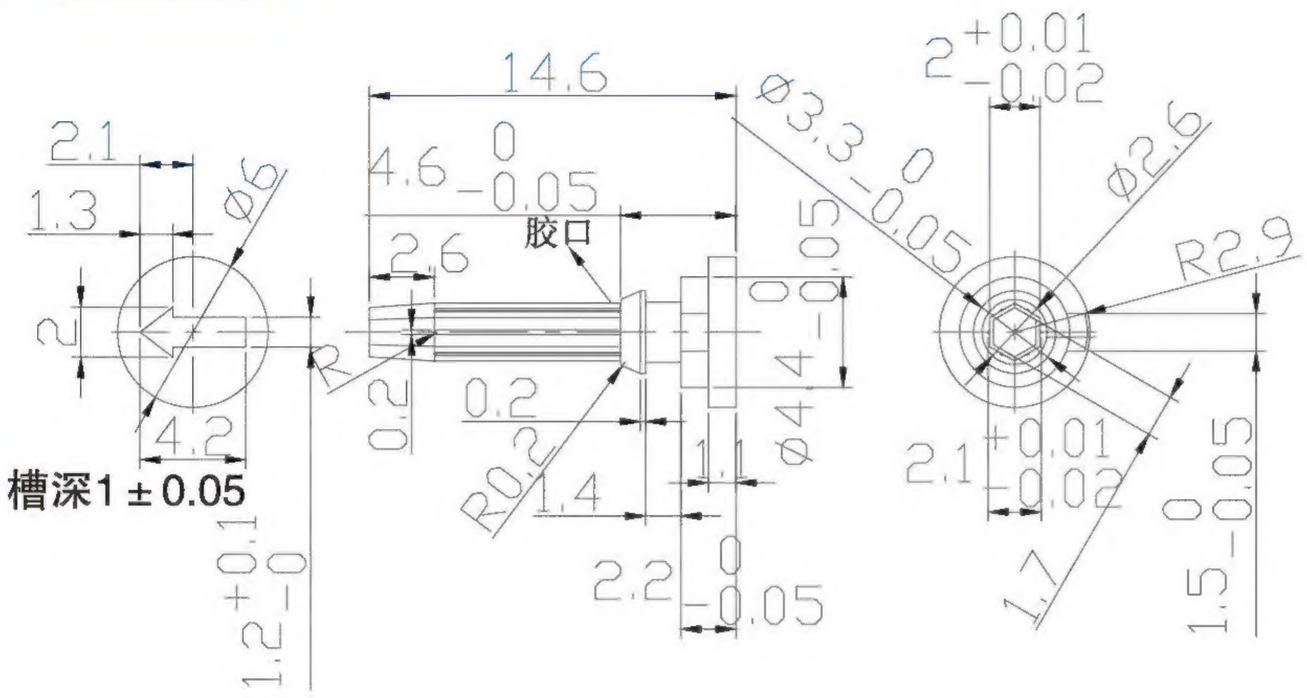
8#号轴



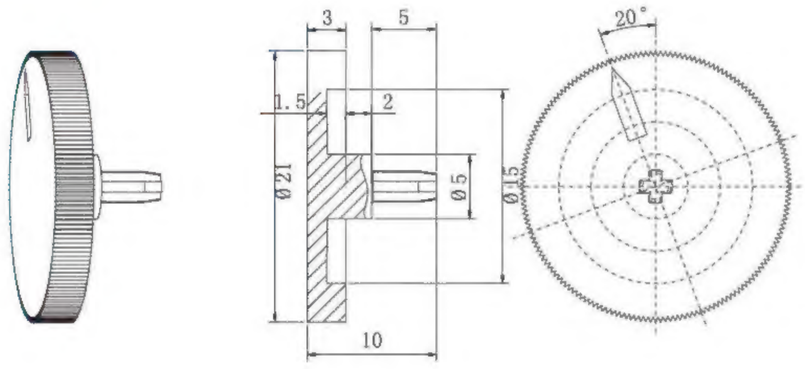
CHANGZHOU KENNON ELECTRONICS CO.,LTD.

TRIMMER POTENTIOMETER

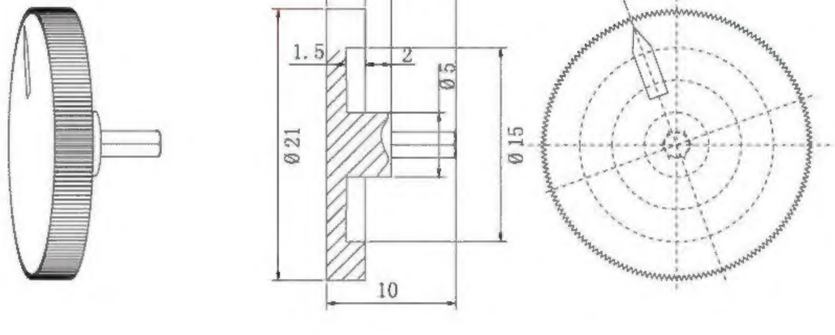
9#号轴



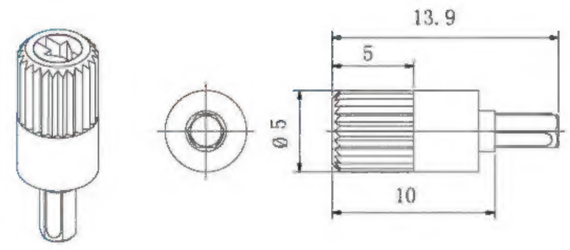
9060



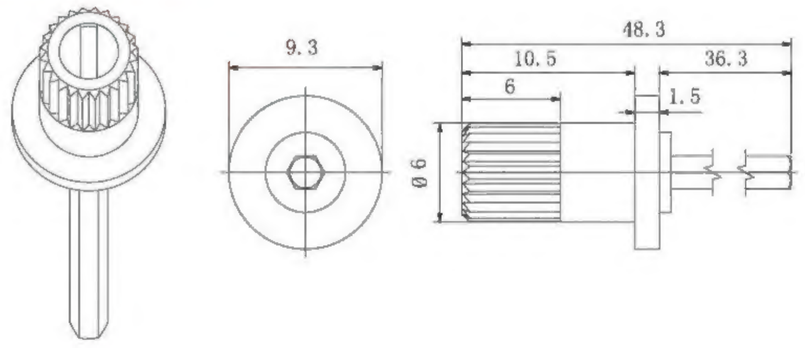
9061



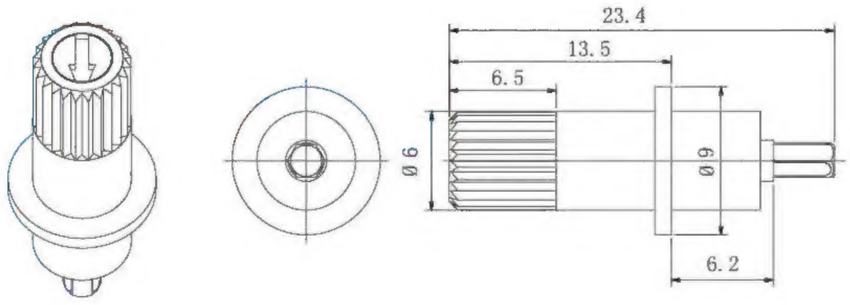
9005



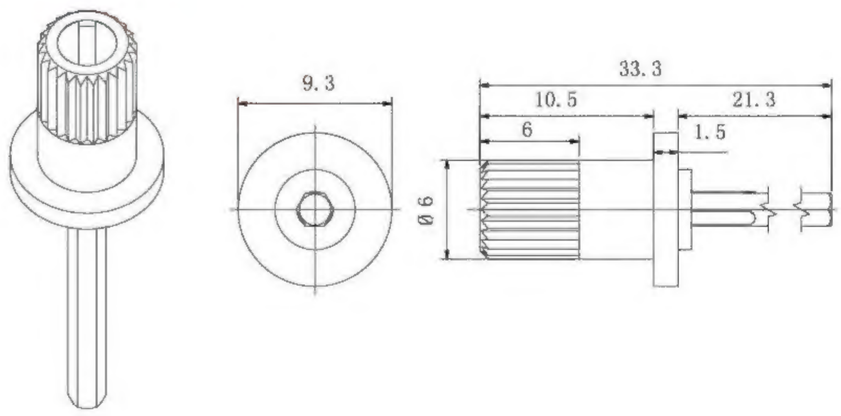
9018 For 6 potentiometers



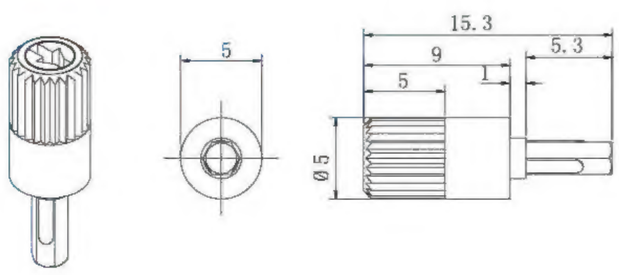
9006



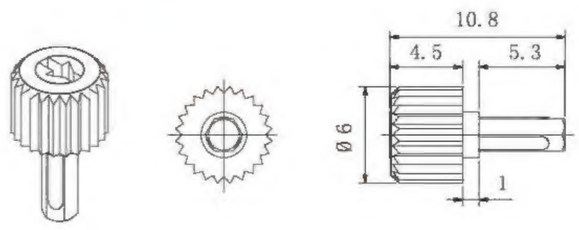
9039 For 4 potentiometers



9064



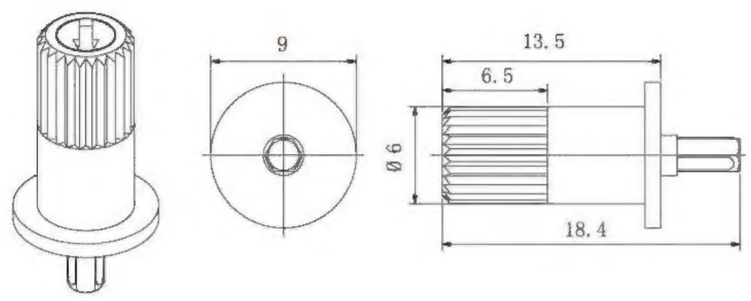
9067



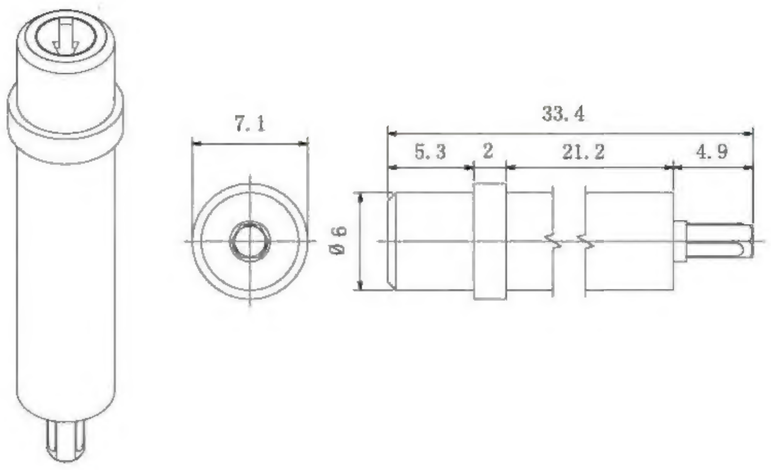
CHANGZHOU KENNON ELECTRONICS CO.,LTD.

TRIMMER POTENTIOMETER

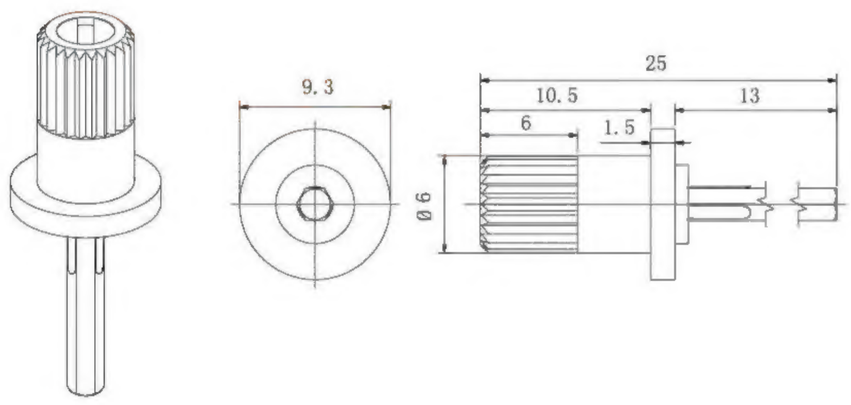
9009



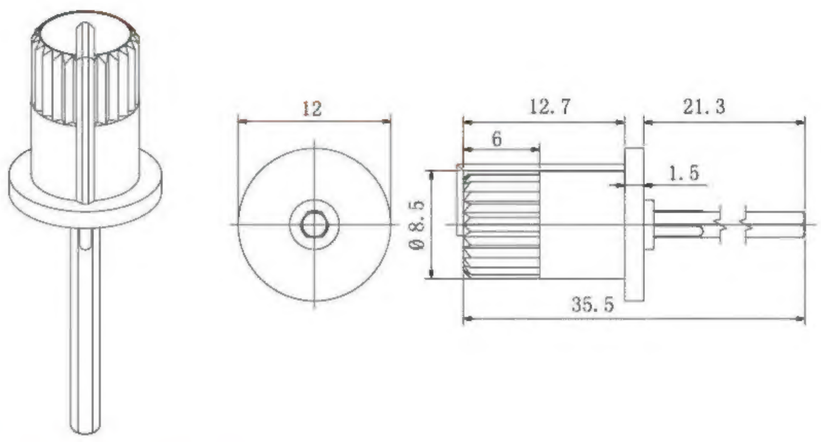
9047



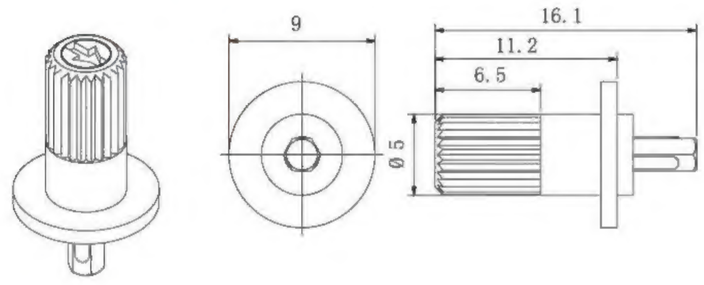
9048 For 2 potentiometers



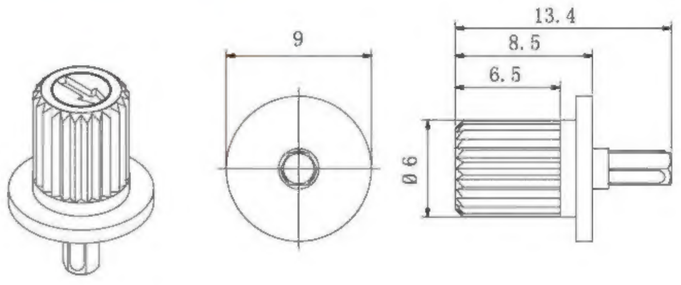
9051 For 4 potentiometers



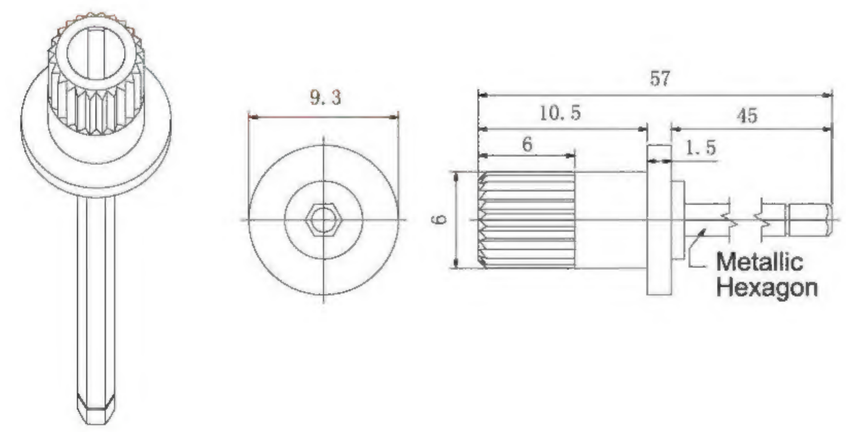
9053



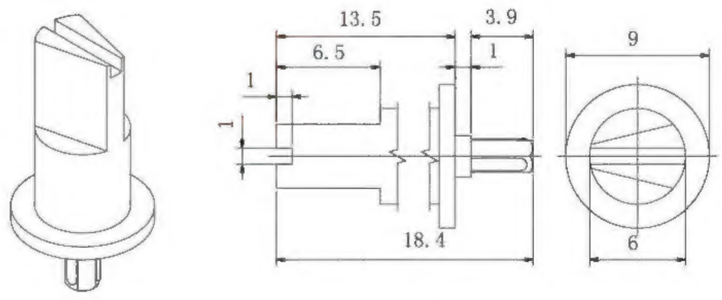
9054



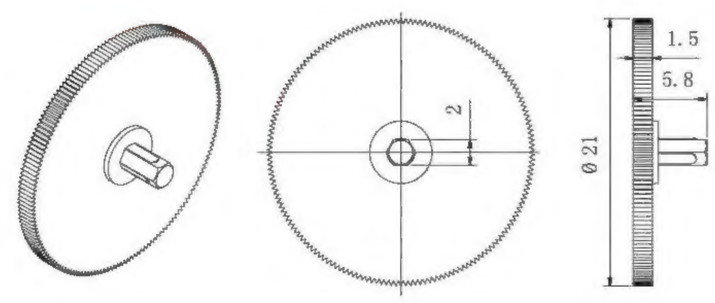
9056 For 8 potentiometers



9063



9041



CHANGZHOU KENNON ELECTRONICS CO.,LTD.